BANG & OLUFSEN

BEOCORD

The Beocord VX 7000 video tape recorder features all the Bang & Olufsen qualities: A carefully selected range of features, simple and straightforward operation, integration and interactive operation, and – of course – a design to match your Beovision TV.

The Beocord VX 7000 was designed to be used with the Beovision MX 7000 / 6000 / 4000 and LX 6000 / 5000 TVs - forming the elegant Video System 7000. But you may use it with other Bang & Olufsen TVs as well.

Operating the multiplicity of functions in the Beocord VX 7000 is easy. All you need is to press a few buttons on your Beolink terminal.

This guide explains how...

User's guide

This guide explains how to operate your Beocord VX 7000 video tape recorder using the Beolink 1000 terminal:

- If you use your Beocord VX 7000 in a Video System 7000 setup – that is if you use it with a Beovision MX 7000 / 6000 / 4000 or LX 6000 / 5000 TV – you may use the *Video System 7000* User's guide enclosed with the TV for information about the entire system.

- If, on the other hand, you use your Beocord VX 7000 with another type of Beovision TV (or if you do not have the *Video System 7000* User's guide), you must use this Beocord VX 7000 guide for information about the video tape recorder.

Note: Before you can start using the Beocord VX 7000 as described in this guide, you must set it up in accordance with the instructions in the small Setting-up guide which is also enclosed with the video tape recorder. Beware of the section *Using other* TVs in the Setting-up guide, and of pages 30-32 in this guide. Then please refer to page 22, *Before you start*, in this guide.

Note: Maintenance instructions and instructions for using other video equipment with the video tape recorder are also found in the Setting-up guide.

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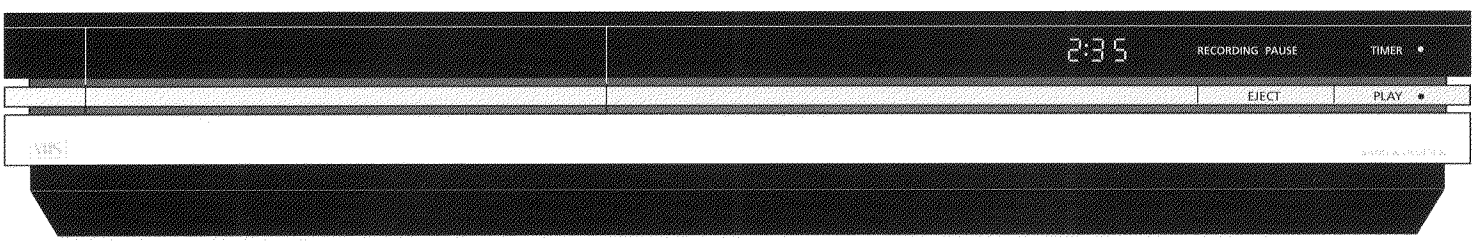
The two buttons on the front of the Beocord VX 7000 allow you to unload tape cassettes and to start and stop playback of the tape you have loaded.

Each of the red display indications on the front gives you information about the video tape recorder...

Note: The Beolink terminal is a requirement for operation of the Beocord VX 7000.



Displays

2:35
Indicates the counter position on the tape: *Track number, Time left* or *Time used* (see pages 26-27).

RECORDING PAUSE
Indicates that the VX 7000 is switched to recording pause.

The display changes to RECORDING when recording starts.

TIMER
Indicates that a timer recording has been programmed into the VX 7000.

TIMER Blinks if a timer recording is prevented from being executed.

●
Stand-by indicator.

The red stand-by indicator also serves as a recording level indicator for external sources.

Loading a tape
Tapes must be loaded into the compartment in the left-hand side on the front of the Beocord VX 7000.

Load the cassette with the small arrow on the cassette uppermost and pointing toward the compartment opening. Push the cassette through the door until you feel the mechanism drawing it all the way into the compartment.

Buttons

EJECT
Unloads the video cassette you have loaded into the Beocord VX 7000.

PLAY ●
Starts playing the tape. Stops the tape if it is already playing.

'Panic button'
If the button is held for more than a second, the video tape recorder switches off immediately, stopping any function in progress.

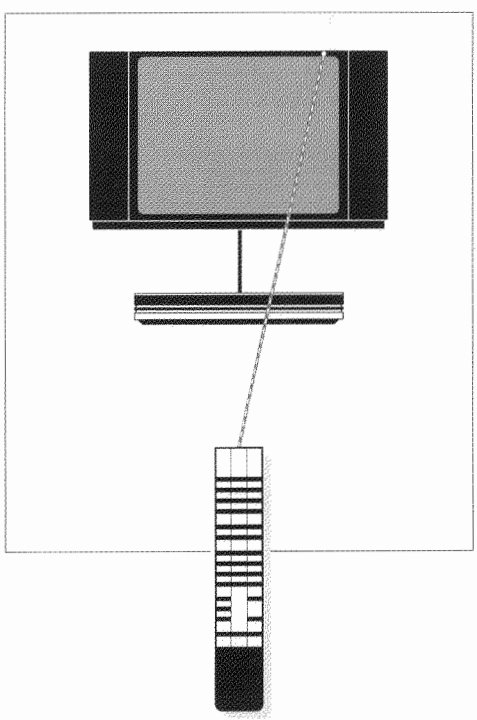
Note: See the Setting-up guide which is also enclosed with the Beocord VX 7000 for details of switches and sockets on the rear panel.

The Beolink 1000 remote control terminal is the key to all the functions in your Beocord VX 7000:

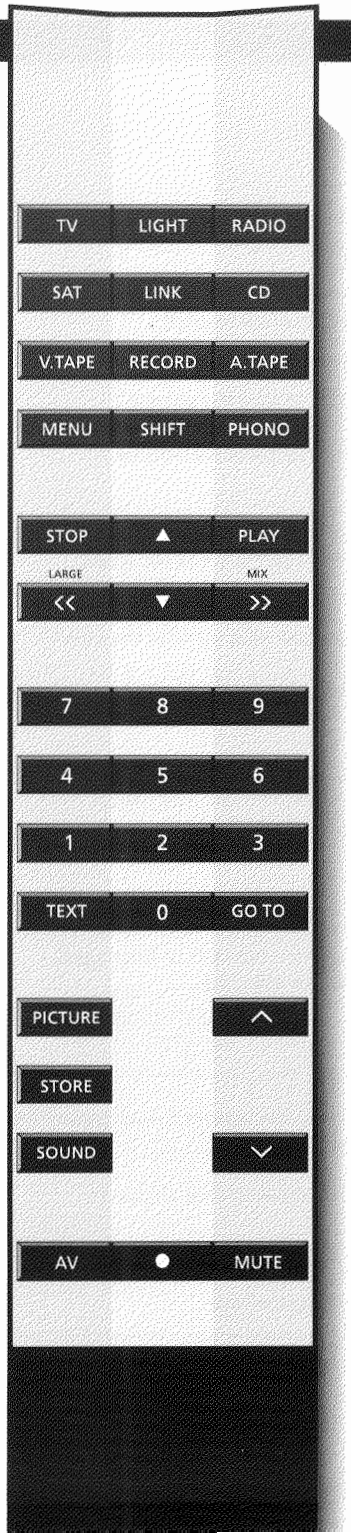
- Daily operations are carried out directly from the Beolink terminal by pressing a single button, or by pressing a few buttons in a logical and straightforward sequence.
- The somewhat more advanced functions are also carried out from the Beolink terminal, but operation of these functions is guided by the Beocord's own on-screen menus.

Apart from being the key to your video tape recorder, the Beolink 1000 terminal also operates all recent Bang & Olufsen TVs.

Note: See page 23 for information about the on-screen menus.



The Beocord VX 7000 (and your Beovision TV) must be in stand-by, or you will not be able to switch the video tape recorder on using the Beolink terminal. The red stand-by light appears when you connect the Beocord VX 7000 to the mains.



The Beolink 1000 terminal integrates remote operation of your Bang & Olufsen audio and video products.

The Beolink 1000 terminal is enclosed with all Beovision MX-LX and ME-LE TVs, but you can also buy it as an accessory for the Beocord VX 7000. Please contact your Bang & Olufsen dealer for further information.

Video playback

The buttons high-lighted on this drawing of the Beolink terminal are the buttons you must use for daily operation of your Beocord VX 7000.

The V.TAPE button starts playing back the video tape you have loaded.

While the tape is playing, you can adjust the volume level in your TV speakers by pressing ^ or v, or you can silence the speakers immediately by pressing the MUTE button.

Selecting other tracks on the tape is easy: Just press the appropriate number buttons, or press the step buttons ▲ or ▼ to step from one track to the other.

You can also key in an exact counter position you wish to find by pressing GOTO then the number indicating the counter position.

Whatever you are in the process of doing, pressing the STOP button twice always stops the video tape recorder; and pressing the PLAY button starts or resumes playback of the tape you have loaded.

Note: To reset your adjusted volume levels, press SHIFT then MUTE.

V.TAPE — Press to start playing the tape you have loaded

The picture appears on the screen within a few seconds

---

^ — Press to raise the volume

v — Press to lower the volume

MUTE — Silences the TV speakers immediately Press again to recall the sound

---

▲ — Plays the next track on the tape

▼ — Plays the current track again – press twice to play the previous track

0 through **9** — Press to find and play specific track numbers on the tape

GO TO then **2** **1** **5** — Press to play the tape from a specific position (Time left or Time used), for example 2:15

STOP — Pauses the tape with a still picture on the screen

then **STOP** — Press again to stop playback

PLAY — Press any time to start/resume playing the tape

By means of the » and « buttons and the STOP button you can:

- Cue the tape forward or backwards;
- Play the tape in slow motion;
- Fast forward and rewind the tape to the position you want.

Unless otherwise instructed, the video tape recorder plays the tape through to the end. The tape is then rewound to the beginning, and the Beocord VX 7000 stops automatically.

To switch off the Beocord VX 7000, press the stand-by button ●.

Note: Pressing the stand-by button for more than 2 seconds switches off the VX 7000 and your Beovision TV in one go.

Note: If the video tape recorder is left unused for more than 8 minutes, it switches off automatically.

Note: The track search functions (on page 6) require that the tape was recorded with the *Track marker* function cut in (see pages 26-27 for further information).

Note: Please refer to pages 26-27 for further information about the *Track, Time left* and *Time used* counter position indications.

Press while the tape is playing to...

...cue forward through the tape
Press again to accelerate the speed
»

or

...cue backwards through the tape
Press again to accelerate the speed
«

Press to pause the tape with a still picture on the screen
STOP

then

Plays the tape in slow motion
»

or

Plays the tape backwards in slow motion
«

Press to stop playback of the tape
STOP
STOP

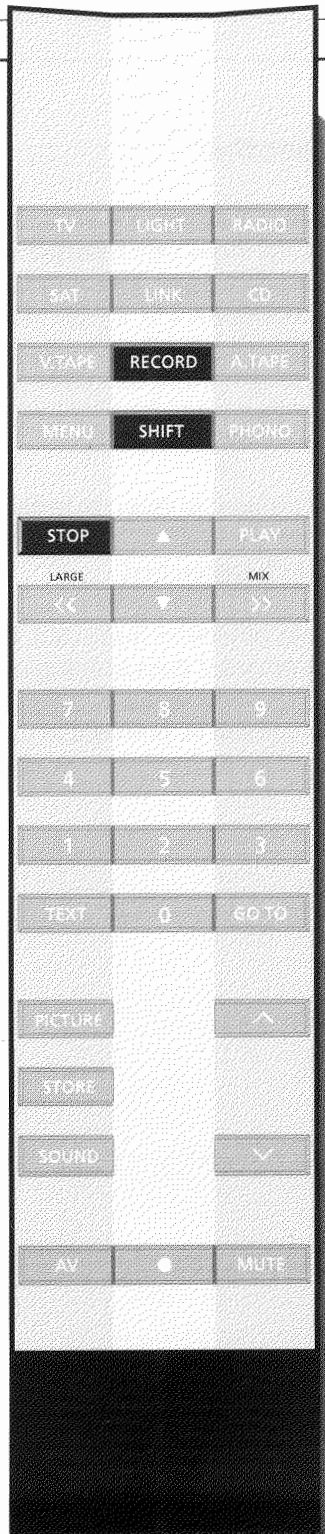
then

Rewinds the tape
Press again to accelerate the speed
«

or

Fast forwards the tape
Press again to accelerate the speed
»

Press to switch to stand-by
●



Instant recording

The buttons high-lighted on this drawing of the Beolink terminal are the buttons you must use to make an instant recording of, for example, the TV program you are watching onto the tape in your Beocord VX 7000.

All you have to do is press the RECORD button twice and recording starts instantly.

The STOP button pauses the recording. You must press SHIFT then STOP to stop recording entirely; or you can press RECORD again to resume recording.

Unless otherwise instructed, the video tape recorder does not stop recording until the tape runs out. If this happens, the tape will be rewound to the beginning and will then be ejected.

Note: An automatic lock-function ensures that you cannot switch to another program without stopping the recording first. You may, however, switch off the TV once recording has started. The green light diode on the TV then remains on to indicate that the TV is still active.

Note: You must use this recording method if you wish to record teletext subtitles along with a TV or satellite program. The subtitles will disappear if you try to select another program during recording.

To record the program you are watching:

Press to make the video tape recorder ready for recording	RECORD
	then
Press again to start recording	RECORD
Press to pause the recording	STOP
Press to resume recording, or...	RECORD
...alternatively, press to stop recording	SHIFT then STOP

> Note: See pages 10-11 for further information about recording, and if you want to record one TV program while watching another at the same time.

Recording one program – watching another

To record one TV program while watching another at the same time:

V.TAPE — Switch on the video tape recorder

then

RECORD — Press to make the video tape recorder ready for recording

0 through 9 — To record another program than the one shown on the screen, key in its program number

When you see the program you wish to record on the screen,...

RECORD — ...press again to start recording

You may now press the TV (or SAT) button and watch any program you like

To return to your recording, press V.TAPE

STOP — Press to pause the recording
Press again to stop recording, or...

RECORD — ...alternatively, press to resume recording

The buttons high-lighted on the drawing of the Beolink terminal on the next page are the buttons you must use for recording one program while watching another at the same time.

To do so, you must first switch on your TV (or satellite module) - then the video tape recorder. Then press the RECORD button to switch the video tape recorder to recording pause.

While the Beocord VX 7000 is in recording pause, you can find the program you wish to record by keying in its program number or by pressing the step buttons ▲ or ▼.

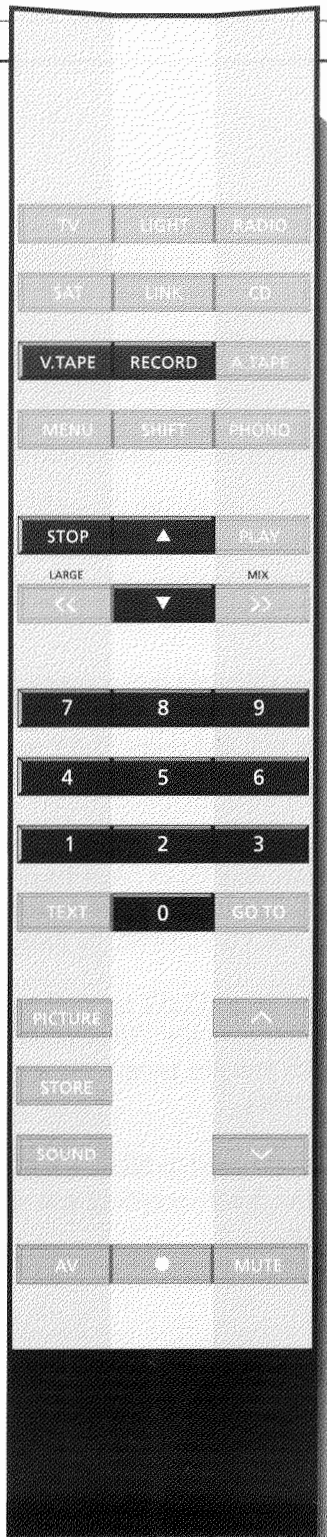
When the program you wish to record appears on the screen, press RECORD again and recording starts immediately.

The STOP button pauses the recording. You must press STOP twice to stop recording entirely; or you can press RECORD again to resume recording.

When you record TV programs in this way, the video tape recorder does all the work on its own*. This means that you can switch back to TV (or switch to satellite or any other source) and watch any program you like while your recording is progressing – or you may even switch off the TV.

Just remember that – in order to return to your recording – you must press the V.TAPE button first.

Unless otherwise instructed, the video tape recorder does not stop recording until the tape runs out. If this happens, the tape will be rewound to the beginning and will then be ejected.



* Note: In most cases, all the TV programs in your Beovision TV are stored automatically in your Beocord VX 7000 as well (see pages 30-32).

When you record one TV program and wish to watch another at the same time, the video tape recorder records the TV program from its own tuner and you are left free to watch another TV program - from your Beovision TV.

It is, however, only your TV programs that are stored in the VX 7000. Consequently, if you record a satellite program, you cannot watch another satellite program at the same time, but you can always switch to TV and watch a TV program while the recording is progressing.

Note: Press V.TAPE any time to monitor your recording. The program you are recording then appears on the TV screen along with the information that recording is in progress. If you are recording a dual language program, you will hear both languages simultaneously. When you play back the tape, however, you can only hear one language at a time, and you will have to press SHIFT then SOUND to switch between them.

Beocord VX 7000 and recording

- If the tape you have loaded is record protected, it will be ejected automatically whenever you try to start recording!
- Recordings can be made at two speeds in the Beocord VX 7000 – SP and LP. See pages 26-27 for further information.

> See pages 12-13 if you want to make a timer recording, that is a recording which starts and stops automatically.

Timer recording

V.TAPE
then
MENU
Switch on the video tape recorder

Call up the main menu

▼
Press twice to light up *Timer recording* in red

then
PLAY
Press to call up the Record Index

The dotted lines in the Index are lit up in red:

PLAY
Press to call up the Timer record menu

When the Timer record menu appears, proceed to fill in the data for the recording you wish to make:

»
or
«
Press to move the red text from item to item in the menu

▼
or
▲
Press to reveal other options

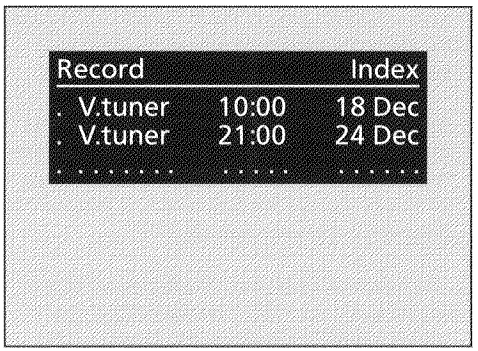
0
through
9
Use the number buttons to fill in the program number, start and stop times

When you have filled in the data required, move the red text to *Store*

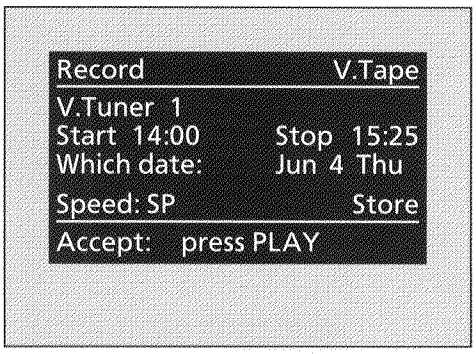
PLAY
Press (once or twice) to store your timer recording

The Record Index reappears, now including the timer programming you have just made

STOP
Press to remove the on-screen menus



The Record Index shows the timer programmings you have made



The Timer record menu allows you to program a new recording

Before you start
If you are not familiar with using the Beocord VX 7000 on-screen menus, it may be a good idea to read page 23 before you go on.

The Beocord VX 7000 video tape recorder can be programmed to start and stop recording automatically, at any time you specify.

It can be programmed to record both TV and satellite programs (and radio programs, if it is connected to a compatible Bang & Olufsen audio system).

To program the Beocord VX 7000 to make a recording, you must use the special menus for timer recording.

Press V.TAPE then MENU on the Beolink terminal to call the main menu for the video tape recorder up on the screen.

When the main menu appears, press ▼ twice to light the item *Timer recording* up in red, and press PLAY to access the menus for timer recording.

The Record Index then appears on the screen. Any timer recordings which may already have been programmed into the VX 7000 will be listed here.

If you press PLAY immediately, you will get access to the Timer record menu, in which you can program a new recording.

Then proceed to fill in the information for the timer recording you wish to make...

THE RECORD INDEX:
The dotted lines appearing in the Record Index indicate that you can program another timer recording.

If no timer recordings have been programmed, the text *No timers programmed* will appear.

When no more recordings can be programmed, no dotted lines will be available, and the index will list the 8 timer recordings waiting to be executed.

You can always check, edit or cancel the timer recordings you have programmed: Place the red text on the item in the Record Index and press PLAY. Proceed to edit the data in the Timer record menu; or place the red text on the item *Store* and press ▼ to reveal *Clear* instead if you want to cancel the timer recording completely. Then press PLAY.

THE TIMER RECORD MENU:
When an item in the menu is lit up in red, it can be changed, or new information can be keyed in:

V-tuner 1 (source and program number)
Press ▲ or ▼ repeatedly to reveal the various sources one by one:

V.Tuner... For the recording of any TV program from the video tape recorder's own tuner. We recommend that you use this option for the recording of TV programs.
Sat... For the recording of satellite programs from your Bang & Olufsen satellite module – if any.
TV... For the recording of TV programs directly from your Beovision TV. This option may be used when you wish to make a recording of a TV program accompanied by teletext subtitles.
Radio... For the recording of radio programs (audio only).
V.tuner Radio... For the recording of simulcast TV and radio programs.
AUX... For the recording of the signal from any auxiliary video equipment.

Then press » and key in the program number you want using the number buttons.

Start and **Stop** (start and stop times)
Key in the times you want your recording to start and stop using the number buttons; e.g. 21:00 for 9 pm and 22:00 for 10 pm.

Note: The Synchronous Program Recording facility (SPR) enables you to make use of the VPS or PDC broadcasting signals accompanying TV programs in some countries (see pages 26-27 for further information). If you wish to make use of the SPR facility in the Beocord VX 7000, it is essential that you key in the *exact* start time (and the stop time) for *each* TV program (each show) you wish to record – that is the VPS / PDC times provided by the TV station.

Which date (recording date)
Fill in the date on which you want the recording to take place by pressing ▲ or ▼.

Speed (recording speed)
Your recordings can be made at two different speeds in the Beocord VX 7000. Press ▲ or ▼ to change:

SP... For normal speed – that is 3 hours of recording on an E-180 tape. Recommended speed for optimum picture quality.
LP... For half speed – that is 6 hours of recording on an E-180 tape. The VX 7000 automatically selects this speed for audio-only recordings.

Store (do you want to store...?)
Move the red text to *Store*, then press PLAY to store your timer recording instruction.

Alternatively, press ▲ to reveal *Clear* instead, then press PLAY if you wish to cancel your timer recording instruction.

> See page 14 for further information.

Note: The display TIMER on the front of the Beocord VX 7000 lights up whenever one or more timer programmings are waiting to be executed.

Note: If there is no tape in the Beocord VX 7000 when you program your recording, you will be reminded to load one by the information *Load Tape*, which appears on the screen.

Or, if there is a record protected tape in the VX 7000, it will be ejected automatically, and you will be reminded to load another.

Note: Don't forget that the clock in the Beocord VX 7000 must be set to the right time so that your timer recordings can be executed correctly at the programmed time. See how on page 25.

ANOTHER WAY OF PROGRAMMING:
Some Beovision TVs enable you to program a timer recording directly from the teletext page listing TV programs. This means that you don't have to call up the video tape recorder's menu to program the video tape recorder. See the User's guide for your TV for further details.

Note: Programming via teletext is not available in all Bang & Olufsen TVs.

Keeping a list of your recordings

V.TAPE — Switch on the video tape recorder

then

MENU — Call up the main menu

The item *Tape list* is lit up in red

PLAY — Press to call up the Tape list

The tape list appears on the screen:

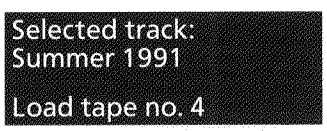
» or « — Press to leaf through the list, page by page

8 — Key in the number of the title (recording) you want to see, for example title number 8

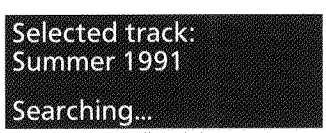
Load the tape prompted by the on screen display

The video tape recorder starts playing the chosen recording as soon as it is found

The titles in your tape list appear in alphabetical order (above). When you select the title you want to play, the video tape recorder prompts you to load the appropriate tape:



When you have loaded the tape a new menu appears:



The video tape recorder is searching for the track you have chosen.

Note: Searching for tracks requires that your recordings were made with the track marker function cut in (see pages 26-27).

Before you start
If you are not familiar with using the Beocord VX 7000 on-screen menus, it may be a good idea to read page 23 before you go on.

The first two items appearing in the main menu, *Tape list* and *Tape naming*, provide you with an efficient and easy-to-use filing system for your video tapes.

The Tape list gives you a survey of all your video recordings (tracks) on all your tapes. You just have to call up the list, leaf through the titles, and then – when you have found the one you want to see – key in its number.

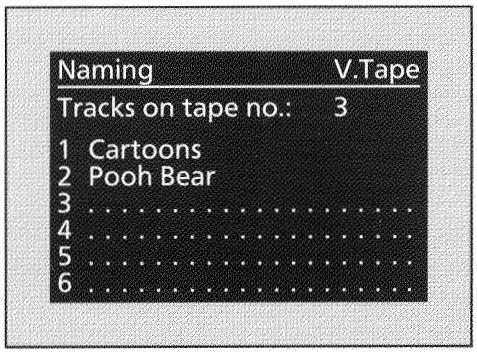
A new menu then appears, telling you which track (recording) you have chosen and which tape number you must load to watch it.

When you have loaded the tape, the video tape recorder starts searching for the track, and plays it the moment it is found.

All that is required from you, in order for this filing system to work properly, is that you number your tapes and enter the name of each recording you make - once and for all.

> See the next page for details of how to name your recordings.

Naming your recordings



Two recordings (tracks 1 and 2) have been registered for this tape no. 3

The name can contain up to 20 characters. The moment you start 'writing' a name, the dotted line disappears (to indicate that the dots are not considered part of the name).

Each recording you want to appear in your Tape list must be named, and the number of the tape on which it can be found must be registered.

To do so, you must select item number two, *Tape naming*, in the main menu.

The list which now appears gives you a survey of all the tracks (recordings) on a given tape. To call up such a list of tracks for any tape in your collection, just key in the appropriate tape number and press PLAY.

To fill in a name for a new track, move the red text to the appropriate track number, then press PLAY. The second Naming menu now appears, and you are prompted to 'write' the title of your recording. Press PLAY twice to store the name.

Note: If you want to clear (erase) a name, move the red text to *Store* by pressing PLAY, then press ▲ to reveal *Clear* instead of *Store*, and press PLAY to erase the name.

Note: The Tape list can contain up to 150 tracks in total, distributed on up to 99 tapes. Up to 6 tracks can be registered for one tape.

Switch on the video tape recorder	V.TAPE
	then
Call up the main menu	MENU
Press once to light up *Tape naming* in red	▼
	then
Press to call up the Naming function	PLAY
The first Naming menu appears:	
Key in the tape number of your choice, for example tape number 3	3
	then
Press to accept your choice	PLAY
Press repeatedly to light up the track number you want to name	▼
	then
Press to call up the second Naming menu	PLAY
The second Naming menu appears; the red spot indicates that you can start "writing" a name:	
Press repeatedly to reveal the letter or figure you want on this position	▲ or ▼
Switches from lower to upper case, or vice versa	0
Press to step to the next or previous character position	» or «
Press to store the name for your recording	PLAY PLAY
Press to remove the menus	STOP

Adjusting the video picture – tracking

V.TAPE — Switch on the video tape recorder

then

MENU — Call up the main menu

▼ — Press three times to light up *Tracking* in red

then

PLAY — Press to call up the Tracking adjustment line

When the line appears:

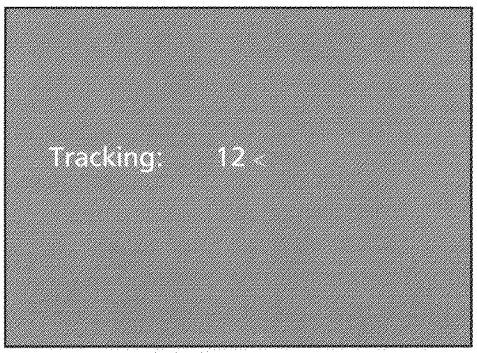
« — Press to adjust the video picture as required

or

»

then

PLAY — Press to accept your tracking adjustment



The tracking adjustment line allows you to adjust the video picture.

The tracking information line will be removed automatically within 10 seconds if you do not start making any adjustments.

The tracking adjustment range varies depending on the mode of the video tape recorder:

Play mode PAL	30< / >28
Play mode NTSC	26< / >24
Slow / still	15< / >15

For optimum tracking of the still picture, you must always adjust the tracking of the tape in slow motion before making any tracking adjustment to the still picture.

Tracking adjustment will be carried out automatically whenever a new tape is played. You can instruct the Beocord VX 7000 to carry out such an automatic tracking adjustment any time during playback simply by pressing PLAY. In a few instances, however, a more thorough adjustment of the picture may be necessary...

Streaks in the picture or noise in the sound may be due to imprecise tracking of the video tape. This is seen most often when playing back prerecorded tapes or tapes recorded on another video tape recorder.

Tracking adjustment can be carried out any time during normal playback, while you play the tape in slow motion, or while a still picture is on the screen.

To adjust tracking of the video tape, call up the main menu (see page 23) and select the item *Tracking*. (Alternatively, press SHIFT then 8 on the Beolink terminal.) A tracking information line then appears on the screen.

Press « or » repeatedly until you obtain the best possible picture and sound. Then press PLAY to accept your tracking adjustment.

Selecting sound track during playback

Recordings are always made with both a Hi-Fi and a linear sound track. During playback, the video tape recorder automatically reproduces the Hi-Fi sound track, unless otherwise instructed.

Press SHIFT then SOUND on the Beolink terminal to switch between the different sound tracks recorded on the tape:

Hi-Fi	Hi-Fi sound track
Mono	Linear sound track
L1	Left sound channel (language 1)
L2	Right sound channel (language 2)

The current sound mode is indicated by a display on the screen when the tape starts playing. Hi-Fi is the standard sound mode and is not indicated by the display.

If you are playing back a recording of a dual language program, you can select either of the two languages L1 or L2.

Note: If you are playing back a 'worn' Hi-Fi tape, the Hi-Fi sound may be adversely affected and you should switch to the mono sound track.

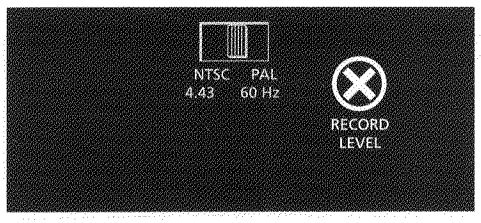
In other instances, you may try the tracking adjustment function to improve the sound (see page 18).

While the tape is playing...

Press repeatedly to switch between the various sound tracks on the tape

SHIFT then SOUND

Adjusting the recording level



Recording level adjustment screw

When you record a TV program from the video tape recorder's own tuner, you need not adjust the recording level. This is done automatically.

If you record from an external source, the recording level must be adjusted manually.

To do so, you must use the recording level adjustment screw, marked RECORD LEVEL, on the rear panel of the Beocord VX 7000.

The recording level is only read out when the video tape recorder is in recording pause. The stand-by indicator on the front of the VX 7000 blinks whenever the zero (0 dB) level is reached.

Note: We recommend that you aim to keep the level so that the indicator blinks only occasionally.

Note: The normal setting of the recording level adjustment screw is in its 'click' position.

Using the VX 7000 for an audio only recording

Make sure the TV is in stand-by...

AV
then
RADIO

Press to switch on the audio source you want to record, for example radio

The TV is now in audio mode

3

Select the radio program number you want, for example 3

RECORD

Press to switch the video tape recorder to recording pause

The VX 7000 automatically switches to audio mode

then
RECORD

Press again to start recording...

An audio-only recording can be made from an audio source in your Bang & Olufsen Audio/Video System, meaning that only sound will be recorded on the video tape.

When playing back the tape, the VX 7000 automatically switches to audio mode. If the TV is on, you will then see just a blue screen.

If you want to play back the tape via your Bang & Olufsen audio system, press AV then V.TAPE to do so.

Note: The VX 7000 records at half the usual speed (LP) in audio mode. This enables you to record uninterruptedly for up to eight hours if you use an E240 tape. The sound recorded will be of very high quality.

Note: The VX 7000 and your Beovision TV must be switched to stand-by when you select the audio source, otherwise both sound and picture (simulcast) will be recorded.

Note: You must use the recording level adjustment screw (see above) to set the recording level.

Using auxiliary video equipment

You can connect auxiliary equipment, for example a video camera, to the AUXILIARY INPUT sockets on the VX 7000 (see the Setting-up guide).

To cut in such equipment to see the pictures on your Beovision TV, you must select the item *Auxiliary select* in the main menu (see page 23).

If you want to record from the auxiliary equipment on to the tape in your Beocord VX 7000, just press RECORD twice on the Beolink terminal.

Note: If you have connected a camera which is equipped with a camera pause plug, connect the plug to the CAMERA PAUSE jack on the rear panel of the VX 7000. This enables you to start and stop the video tape in the VX 7000 using the buttons on the video camera.

If your camera uses the S-VHS format, we recommend that you connect it to one of the AV sockets on the TV instead. Don't forget to connect it to the S-VHS connector on the rear panel of the TV and to program the TV Setup menu accordingly.

(Only the most recent Bang & Olufsen TVs have the S-VHS socket – see your TV guide for details.)

Copying tapes

If your Beovision TV has two AV sockets (AV1 and AV2), you will be able to copy tapes directly from a second video tape recorder onto the tape in your Beocord VX 7000, using only the Beolink 1000 terminal to control the process.

The second video tape recorder must be connected to the AV2 socket on your Beovision TV and must be programmed into the TV in accordance with the instructions in your TV guide.

While the tape is being copied, you may watch a TV program or switch off the TV, if you like. Press SHIFT then V.TAPE to return to the copying process.

Note: You can of course copy tapes the other way round as well, that is from the VX 7000 on to the tape in your second video tape recorder. To do so, you must press V.TAPE to start playing the tape in the VX 7000. Then press SHIFT, RECORD, RECORD to start recording on the second video tape recorder.

Note: If your Beovision TV hasn't got two AV sockets you may connect your second video tape recorder to the AUXILIARY INPUT sockets on the Beocord VX 7000 instead (see above). You will then be able to copy tapes from the second video tape recorder on to the tape in the Beocord VX 7000 – but not the other way around.

Note: Copyright laws prohibit the copying of certain video tapes or TV programs. Some prerecorded tapes are protected against copying and copies of such tapes will be of a very low quality.

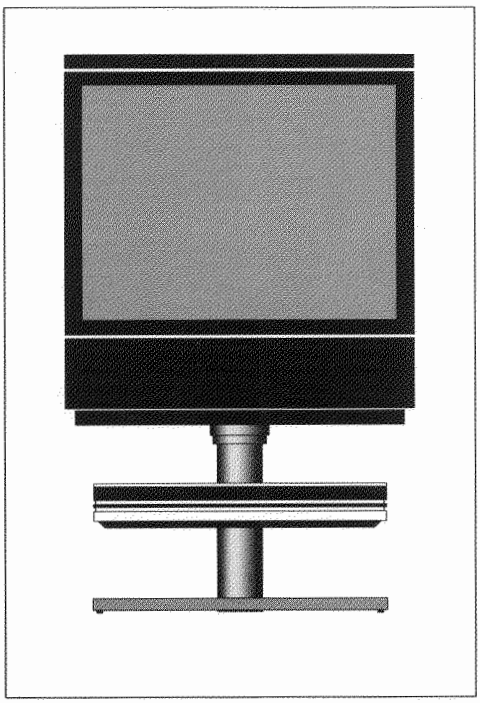
Press to switch the signal from the second video tape recorder to the TV — SHIFT then V.TAPE

You can now see the pictures reproduced by the second video tape recorder on the TV screen

Press to make the VX 7000 ready for recording — RECORD

then

Press to start recording... — RECORD



Before you start

Before you can start using your Beocord VX 7000 as described in this guide, you must:

- First set it up in accordance with the instructions in the Setting-up guide, which is also enclosed with the video tape recorder.

- Then you must make sure that the TV stations from your Beovision TV are stored in the video tape recorder as well:

In most cases, this happens quite automatically, but you may find it necessary to fine tune the TV programs in the VX 7000 (see page 24).

In a few instances, however, you may have to tune the video tape recorder in manually (see the Setting-up guide and pages 30-32 for further information).

- Then you must check that the clock in the Beocord VX 7000 is set to the correct time (see page 25).

- Finally, it is important that you set up your own preferences for some of the functions in the video tape recorder (see pages 26-27).

But, as the very first thing, it may be a good idea to get familiar with the on-screen menus...

Using the on-screen menus

Each item in the main menu represents another menu/function which you can call up on the screen:

- **Tape list...** Calls up the tape list (see page 16).
- **Tape naming...** Calls up the menus in which you can list and name your recordings (see page 17).
- **Timer recording...** Calls up the menus you must use to program a timer recording (see page 12).
- **Tracking...** Calls up the tracking adjustment function (see page 18).
- **Set clock...** Calls up the menu for setting the Beocord VX 7000 clock (see page 25).
- **Auxiliary select...** Choose this item to cut in the signal from any auxiliary video equipment connected to the Beocord VX 7000 AUXILIARY INPUT sockets (see page 21 and the Setting-up guide).
- **Fine tuning...** Calls up the small fine tuning menu (see page 24).
- **Setup...** Calls up the Setup menu for the Beocord VX 7000 (see page 26).

Operation of the somewhat more advanced functions in the Beocord VX 7000 is guided by on-screen menus.

The MENU button (just below the V.TAPE button) on the Beolink 1000 terminal calls the main menu for the video tape recorder up on the screen.

Each item in the main menu gives access to a special menu for that particular function.

When you call up the main menu, the first item is lit up in red. The red text is moved to the next item in the menu by pressing ▼ on the Beolink terminal.

When the item you want is lit up in red, you can call up the menu for that particular function by pressing PLAY on the Beolink terminal.

Note: Some of the menus you will be calling up are menus in which you must fill in information:

In such *fill-in menus*, the red text is moved from item to item by pressing » or « on the Beolink terminal. When an item turns red, information can be keyed-in using the number buttons; or you can browse through the options available for that particular item by pressing the step buttons ▲ or ▼ until you find the one you want.

Switch on the video tape recorder — V.TAPE

then

Call up the main menu — MENU

Press to move the red text to the other items in the menu — ▼

Make sure that the item/function you want is lit up in red, then...

Press to call up the menu for that particular function — PLAY

Press repeatedly to remove the menus from the screen — STOP

In fill-in menus:

Press to move the red text from item to item — » or «

Press to key in numbers — 0 through 9

Press to reveal other options — ▼ or ▲

When you have filled in the required information,...

...press to accept — PLAY

Fine tuning the VX 7000

V.TAPE Switch on the video tape recorder

then

MENU Call up the main menu

▼ Press six times to light up *Fine tuning* in red

then

PLAY Press to call up the small Fine tuning menu

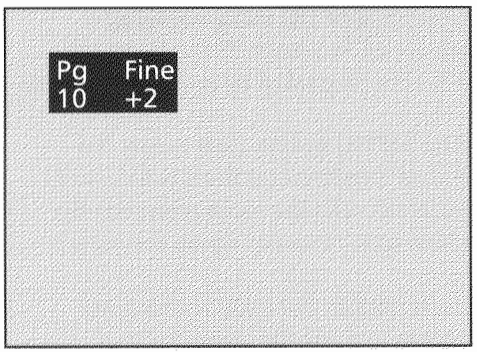
1 0 Key in the program number you wish to fine tune, for example 10

Wait for the program to appear on the screen, then...

» Press to move on to *Fine*

▲ or ▼ Press to fine tune the TV program to your liking

PLAY Press to store your fine tuning



The small fine tuning menu enables you to fine tune the TV programs in the video tape recorder.

In most cases, the TV stations you have tuned in to and preset on program numbers in your Beovision TV will be transferred automatically to your Beocord VX 7000 as well*.

But, as there is a tuner in both the TV and in the video tape recorder, slight differences may occur in the sound and picture produced by the TV and the video tape recorder.

You may find, for example, that the Hi-Fi sound of certain TV programs recorded from the video tape recorder's own tuner is not as good as it should be. The reason may be that these particular programs need fine tuning.

To fine tune a program in the video tape recorder you must call up the video tape recorder's main menu and select the item *Fine tuning*. The small fine tuning menu then appears on the screen:

Key in the number of the TV program you wish to fine tune. When the program appears on the screen, press » to move the red text to the figure below *Fine*. Press ▲ or ▼ until the picture is clear and stable. Then press PLAY to store your fine tuning instruction.

Alternatively, press STOP if you do not want to store your fine tuning.

Note: High quality recordings also depend on the quality of the video tape used.

* Note: In a few instances – depending on the type of Beovision TV you have – you may have to tune the Beocord VX 7000 in to all the TV stations in your area manually. Fine tuning of the video tape recorder will then be carried out simultaneously. See pages 30-32 for further information.

Setting the time

It's three o'clock in the afternoon, the day is Tuesday the 30th of June, 1992.

The Beocord VX 7000 writes:

Jan...	for January	*Mon...*	for Monday
Feb...	for February	*Tue...*	for Tuesday
Mar...	for March	*Wed...*	for Wednesday
Apr...	for April	*Thu...*	for Thursday
May...	for May	*Fri...*	for Friday
Jun...	for June	*Sat...*	for Saturday
Jul...	for July	Sun...	for Sunday
Aug...	for August		
Sep...	for September		
Oct...	for October		
Nov...	for November		
Dec...	for December		

The Beocord VX 7000 has a built-in, 24-hour clock which must be set to the correct time, date and year, so that your timer recordings can be executed at the programmed timed.

To do so, you must call up the main menu for the video tape recorder and select the item *Set clock*. You will then see the menu shown on this page.

Proceed to fill in the appropriate information using the step buttons ▲ and ▼ and the number buttons. Use ≫ to move the red text from item to item in the menu.

When you have filled in the correct time, date and year, press PLAY to store the time in the video tape recorder.

The main menu reappears. Press STOP to remove it.

Note: When you key in the year, you will find that the day is set automatically.

Note: The clock is backed up by a battery, which ensures that it keeps going - even if power failures should occur.

Note: With some Beovision TVs it suffices to set the clock in your Beovision TV and synchronize the time with teletext. The TV automatically transfers the information to the VX 7000.

Switch on the video tape recorder — V.TAPE

then

Call up the main menu — MENU

Press four times to light up *Set clock* in red — ▼

then

Press to call up the Set clock menu — PLAY

The Set clock menu appears, and the time indication is lit up in red:

Press to move the red text to the other items in the menu — ≫

Press to reveal other options — ▲ or ▼

Press to key in numbers — 0 through 9

When you have filled in the correct time , date and year...

...press to store it in the video tape recorder — PLAY

Setting your preferences

V.TAPE — Switch on the video tape recorder

then

MENU — Call up the main menu

▼ — Press seven times to light up *Setup* in red

then

PLAY — Press to call up the Setup menu

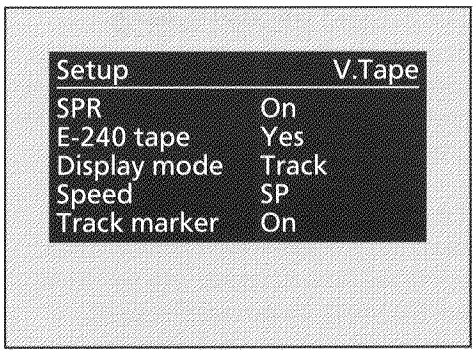
The Setup menu appears, and the option against the first item is lit up in red:

» — Press to move the red text to the other items in the menu

▲ or ▼ — Press to reveal other options

Set the various items to your liking, then...

PLAY — ...press to store them in the video tape recorder



The Setup menu allows you to set up your own special preferences for the video tape recorder.

To make use of all the functions described in this guide, you must set your special preferences for the Beocord VX 7000. These preferences must be entered into the video tape recorder's Setup menu.

You can call up the Setup menu by selecting the last item, *Setup*, in the main menu.

When you have called the Setup menu up on the screen, the option against the first item is lit up in red, and you are ready to set your preferences for the video tape recorder:

SPR...	*On* or *Off*
E-240 tape...	*Yes* or *No*
Display mode...	*Track, Time used* or *Time left*
Speed...	*SP* or *LP*
Track marker...	*On* or *Off*

See the next page for further information about each item in the Setup menu.

The » button moves the red text from item to item in the menu. When an item lights up in red, it can be changed by pressing ▲ or ▼.

When you have set your preferences, press PLAY to accept and store them in the video tape recorder. Then press STOP to remove the menus from the screen.

Note: Depending on the function you wish to use, you may have to change your preferences in the video tape recorder's Setup menu from time to time.

SPR (Synchronous Program Recording)
The Beocord VX 7000 SPR facility enables you to make use of the VPS and PDC broadcasting signals accompanying TV programs in some countries:

On... Cuts the SPR facility in

Off... Cuts the SPR facility out

The SPR facility ensures that a TV program accompanied by the VPS or PDC signals will be recorded in its full length – even if the program is delayed or prolonged!

Note: For the video tape recorder to register these signals and make proper use of them, you must program the *exact* start time (and the stop time) of *each* TV program (each show) you wish to record – that is the VPS/PDC times provided by the TV station. In other words, if you wish to record two shows in a row, it is *not* enough to program the start time of the first show and the stop time of the next – you *must* make *two* timer programmings!

If the SPR facility is *not* cut in, recording will start and stop as programmed, even if the program is delayed or prolonged.

E-240 tape (tape length)
If you are using an E-240 tape, that is one of 4 hours playing time, and you want the video tape recorder to read out how much playing time is left on the tape *(Time left)*, you must select *Yes* for this item. (See *Display mode* for further information.)

Display mode (counter indications)
The video tape recorder calibrates the tape, that is it registers its position during playback, recording and winding. This information is read out on the TV screen and on the video tape recorder's display. The information thus read out can be set to *Track*, *Time used* or *Time left*:

Track... Allows you to see which track number is playing. This counter indication requires that the tape you are playing was recorded with the *Track marker* function cut in (see below).

Time used... Allows you to see for how long (hours and minutes) the tape has been playing. This counter indication is always reset to 0:00 when a cassette is loaded and when a tape is rewound to the beginning.

Time left... Allows you to see how much playing time (hours and minutes) is left on the tape. This counter indication is not applicable for tapes longer than E-240 (see *E-240 tape* above).

Speed (tape speed)
The recordings you make by pressing the RECORD button on the Beolink terminal can be made at two different speeds in the Beocord VX 7000:

SP... Normal speed, that is 3 hours for an E-180 cassette. This speed should be selected for optimum picture quality.

LP... Half speed, that is 6 hours for an E-180 cassette. The VX 7000 selects this speed automatically for audio-only recordings.

Your timer recordings can also be made at different speeds. However, you will select the appropriate speed when you program your timer recording.

In playback the VX 7000 adjusts automatically to the speed at which the tape was recorded.

Track marker (identification of each track)
If you want to use functions in the VX 7000 which requires it to search for tracks - for example if you key in a specific track number you want it to play, or if you intend to use the Tape list function – *Track marker* must be set to *On* during recording.

This means that each separate recording (track) on the tape will be encoded with a special signal (track mark) by which it can later be identified and thereby counted.

Note: A track mark is only inserted on the tape when a recording is started. This means that, if you resume recording after a recording pause, no new track mark will be inserted on the tape.

As soon as the Beocord VX 7000 starts carrying out your instruction, a small status display appears at the bottom of the TV screen.

The status display shows what the video tape recorder is doing...

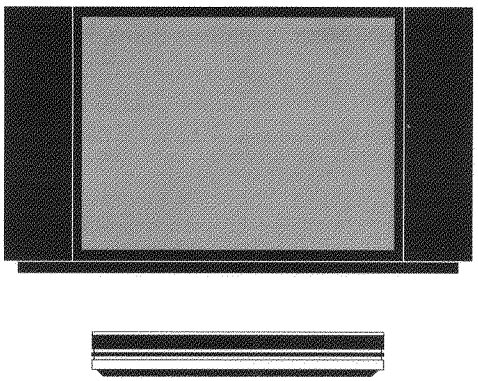
V.Tape Play 3	The video tape is playing – you are watching track number 3 on the tape.	Note: For information about how to change the Beocord VX 7000 counter indications, see pages 26-27.
Mono V.Tape Play 3	The video tape is playing – you have selected the mono (linear) sound track.	
V.Tape Play 1:50	The video tape is playing – 1 hour and 50 minutes playing time is left on the tape.	
V.Tape Play 2:50	The video tape has been playing for 2 hours and 50 minutes.	
V.Tape Go to -:- -	You have pressed GOTO and are going to key in a specific position you want the video tape recorder to find.	
V.Tape Cue > 3	You have pressed » while the tape is playing to cue forward through the tape.	(» indicates the fast cue function.)
V.Tape Cue < 3	You have pressed « while the tape is playing to cue backwards through the tape.	(« indicates the fast cue function.)
V.Tape Still 3	You have pressed STOP to stop the video tape recorder with a still picture on the screen.	
V.Tape Slow > 3	The video tape is playing in slow motion.	

Note: The display remains on for a few seconds during playback and recording, and remains on constantly during winding.

V.Tape Stop 3	You have pressed STOP twice to stop the video tape recorder.
V.Tape << 3	You have pressed << to rewind the tape.
V.Tape <<< - -	You have pressed << twice to rewind the tape at high speed.
V.Tape Record pause Pg 3 0:00	The video tape recorder is set for recording TV program number 3 from its own tuner.
V.Tape Record pause AV 0:00	The video tape recorder is set for recording from an external source, for example from your Beovision TV or your satellite tuner.
V.Tape Record Pg 3 0:01	You have pressed RECORD again, and recording of program number 3 has started.
V.Tape Record SC Pg 3 0:01	The video tape recorder is recording a simulcast program (TV + FM sound from a radio program).
V.Tape Load	The display from the video tape recorder prompts you to load a tape before playing or recording can start.
V.Tape Protected	Recording is impossible because the safety tap on the video tape cassette has been removed.

If you do not resume playing within 8 minutes, the VX 7000 switches to stand-by automatically.

Nice to know about your Beovision TV



Your Beocord VX 7000 was designed to be used with the Beovision MX 7000 / 6000 / 4000 and LX 6000 / 5000 TVs - forming the elegant *Video System 7000.*

For information about this setup, see the Setting-up guide enclosed with the video tape recorder and the *Video System 7000* User's guide enclosed with the TVs*.

But your Beocord VX 7000 may be used with other Bang & Olufsen TVs as well. Bang & Olufsen TVs tested against the Beocord VX 7000 are listed in the Setting-up guide enclosed with the video tape recorder (see the section: *Using other TVs*).

To operate the Beocord VX 7000 when it is connected to one of these TVs, you must use the information in this guide for the video tape recorder. You should then be aware that only *the essential user functions* are guaranteed to work.

Before you can start using the VX 7000, all the TV programs in your Beovision TV must be stored in the video tape recorder as well:

- Tuning of the video tape recorder is done automatically when you connect it to certain types of Beovision TVs.
- But – as mentioned in the Setting-up guide - you *may* have to tune the video tape recorder in to the TV stations in your area manually before you start using it. See how on page 32...

* Note: *Some* of these TVs include a User's guide describing only the TV. In that case, you must use this guide for information about the video tape recorder.

THE ESSENTIAL USER FUNCTIONS:
Limitations in the number of features offered by the video tape recorder may occur when you use the Beocord VX 7000 with one of the TVs mentioned in the section *Using other TVs* in the Setting-up guide. But, after following the recommended setting-up procedure, at least the daily playback functions (see pages 6-7 in this guide) and recording from the video tape recorder's own tuner are guaranteed.

Beolink 1000 terminals
If you intend to use the Beolink 1000 terminal enclosed with one of the Beovision TVs mentioned in the section *Using other TVs* in the Setting-up guide, you may find that the buttons on *your* Beolink 1000 terminal do not correspond *exactly* with the buttons on the Beolink 1000 terminal shown in this guide.
In that case...

Instead of...	Press...
MENU	SHIFT then TEXT
▲ then ▼	› or ‹
SHIFT then SOUND	TURN
SHIFT then MUTE	RESET

Tuning the VX 7000 in to TV stations – manually

V.TAPE — Switch on the video tape recorder

then

MENU — Call up the main menu

▼ — Press six times to light up *Tuning* in red

then

PLAY — Press to call up the Tuning menu

The Tuning menu appears, and the number against the first item, *Frequency*, is lit up in red:

▲ or ▼ — Press to make the video tape recorder search for a TV station

Wait for the station to appear on the screen, then...

» — Press to move the red text to the other items in the menu

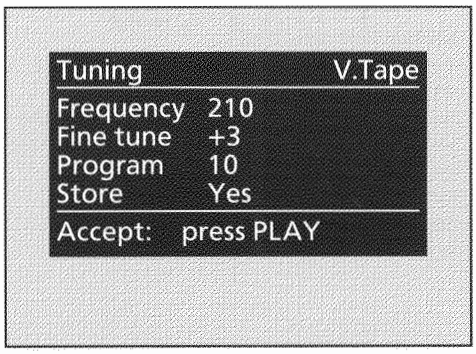
▲ or ▼ — Press to reveal other options

0 through 9 — Press to key in a specific number

When you have entered all the necessary information:

PLAY — Press to store your new TV program in the video tape recorder

Press PLAY to continue tuning; or press STOP to remove the menus



The VX 7000 Tuning menu allows you to tune the video tape recorder in to TV stations

Before you start...
You should be aware that - in order to facilitate the recording of TV programs - it is important that you store the TV station you have found on *exactly* the same program number as in your Beovision TV.

Frequency... You can make the VX 7000 search for TV stations by pressing ▲ or ▼ on the Beolink terminal. Searching stops at the first station producing an acceptable signal. If this is not the station you want, just press ▲ or ▼ to continue searching.

Fine tune... You may find the fine tuning facility useful if the picture (or the sound) of the TV station is not coming through clearly. To fine tune, press ▲ or ▼ until the picture is clear and stable.

Program... Here you must key in the program number on which you wish to store the TV station.

Store... Select *Yes* if you want to store your new TV station, *No* if you do not. Press ▲ or ▼ to change.

When you connect the Beocord VX 7000 to a Beovision TV which requires that you tune the video tape recorder in manually, you will see that the main menu does not look quite like the one shown on page 23:

Instead of the item *Fine tuning* you will see the item *Tuning:*

Tuning calls up the menu which enables you to tune in to TV stations and store them on program numbers of their own. The number against the first item, *Frequency*, is lit up in red indicating that the video tape recorder is ready to tune in to a TV station:

- Find the station you want;
- press » to continue to *Fine tune*, and fine tune the station you have found - if necessary;
- press » again to continue to *Program*, and key in the program number on which you want to store the TV station;
- press » to move on to *Store* and make sure that it reads *Yes*;
- finally, press PLAY to store your new TV program in the video tape recorder.

Note: A decoder connected to your Beovision TV cannot be used for the TV programs in the video tape recorder. To record such coded programs, you must record directly from your Beovision TV.

Date purchased

Contact person

Telephone

Address

Record your serial numbers here:

Beocord VX 7000

Beolink 1000

Dear Customer,

Your needs as the user of our products are always given careful consideration during the design and development process, and we strive to make our products easy and comfortable to operate.

We therefore hope that you will take time to drop us a line, telling us about your experiences with your Bang & Olufsen system. Anything which you consider important – positive or negative – may help us in our constant efforts to refine our products.
Thank you!
Please write to:

Customer information, dept. 7240
Bang & Olufsen a/s
DK-7600 Struer
Denmark

3501513 0952

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